

## **LCD-Monitor**

Chassis LS20BRD Model 204B

# SERVICE Manual

### **LCD Monitor**



### **Fashion Feature**

- Premium HAS application(Lift 80mm)
- Magic Rotation application (Auto pivot Delete)
- Embeded Power, Mechanical S/W application

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LS20BRD Service Manual

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#### 1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

### 1-1 Safety Precautions

#### 1-1-1 Warnings

- For continued safety, do not attempt to modify the circuit board.
- Disconnect the AC power and DC power jack before servicing.

#### 1-1-2 Servicing the LCD Monitor

- When servicing the LCD Monitor, Disconnect the AC line cord from the AC outlet.
- It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

#### 1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

- Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
- Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistorcapacitor networks, mechanical insulators, etc.
- 3. Leakage Current Hot Check (Figure 1-1):

**WARNING**: Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

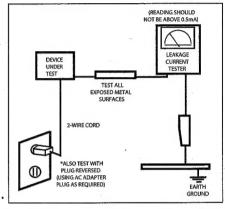


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

#### 1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by  $\triangle$  on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

### **1-2 Servicing Precautions**

**WARNING:** An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section

of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety

precautions, always follow the safety precautions.

### 1-2-1 General Servicing Precautions

 Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:

(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.

- Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
- After servicing, always check that the screws, components and wiring have been correctly reinstalled.
   Make sure that the area around the serviced part has not been damaged.

- 4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
- Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

 Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

### 1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

- Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
- 2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
- 3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
- Use only a grounded-tip soldering iron to solder or desolder ESDs.
- Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.

- 6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
- Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

**Caution:** Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

 Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

#### 1-4 Installation Precautions

- 1. For safety reasons, more than two people are required for carrying the product.
- Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
- 3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
- 4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
- 5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.

- 6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
- 7. When installing the product, leave enough space (10cm) between the product and the wall for ventilation purposes.

A rise in temperature within the product may cause fire.

### Memo

### 2 Product Specifications

### 2-1 Fashion Feature

- -. Premium HAS application(Lift 80mm)
- -. Magic Rotation application(Auto pivot Delete)
- -. Embeded Power, Mechanical S/W application

### 2-2 Specifications

TFT-LCD panel, RGB vertical stripe, normally black transmissive, 20-Inch viewable, 0.255 (H) x 0.255 (V) mm pixel pitch  Horizontal: 31 kHz ~ 80 kHz (Automatic) Vertical: 56 Hz ~ 75 Hz (UXGA: 60 Hz)  16.7 Million colors
Vertical : 56 Hz ~ 75 Hz (UXGA : 60 Hz)
16.7 Million colors
Horizontal : 1600 Pixels Vertical : 1200 Pixels
Analog / Digital
Seperate H/V sync, Composite H/V, Sync-on-Green, Automatic synchroniza tion whitout external swith of sync type
Level: TTL level
162 MHz (Analog/Display)
408(H) x 306(W)
AC 100 ~ 240 Volts, 60/50 Hz ± 3 Hz
50W (Analog/Display)
444.0 x 200.0 x 427.6 mm(17.5 x 7.9 x 16.8 inch)
344.0 x 200.0 x 472.6 mm
444.0 x 74.50 x 344.0 mm
80 mm (IN NORMAL STATE ONLY!)
90 degree
0 ~ 350 degree
-4 ~ 18 degree
424.0 x 235.0 x 551.0 mm (16.7 x 9.3 x 21.7 inch)
7.7 kg / 9.0 kg
Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80% Storage temperature : -4°F ~113°F (-20°C ~ 45°C) Storage Humidity : 5% ~ 90%

### 2-3 LS20BRD feature

No	Feature	Feature	Operating method
1	Auto Auto	If 204B turns on in some resolution for the first time, it can execute Auto adjustment automatically for the high Quality	
2	Auto Power on/off	204B can check the change of Source Automatically and change the source to the active Input	
3	Wall mount	204B supports Wall mount(100 X 100)	
4	Gamma & Color temperature Adjust	204B supports 3 step Adjustment for Gamma & Color temperature	
5	Magic Bright	204B supports 6 different brightness mode (Text/Internet/game/sport/Movie/Custom)	
6	Sharpness	Adjust the Sharpness	

### 2-4 Spec Comparison

Key Specification						
Model	BR20BRBS 204T	L\$20BRD 204B				
Screen Size	20.1"	20.1"				
Brightness	250cd/m²	300cd/m²				
Contrast	700:1	800:1				
Fast Response Time	16ms	5ms				
Magic Pivot	O When Monitor is rotated, as Pivot sensor is applied to PBA, Screen is changed automatically	×				
Magic Tune	Ver 3.6	Ver 3.6				
Sharpness	0	0				
Magic Bright	6 steps Text, Internet, Sports, Movie, Game, Custom	6 steps Text, Internet, Sports, Movie, Game, Custom				

### 2-5 Option Specification

Item	Item Name	CODE.NO	Remark
	Quick Setup Guide	BN68-00376L	
	Warranty Card (Not available in all locations)	BH68-00261F	
	User's Guide, Monitor Driver, MagicTune™ software	BN59-00480H	
	D-Sub(15 Pin) Cable	BN39-00244B	
	Power Cord	3903-000085	
	DVI Cable	BN39-00246F	Sold separately

### 3 Alignments and Adjustments

This section of the service manual explains how to use the RS232 JIG.

This function is needed for AD board change.

#### 3-1 Required Equipment

The following equipment is necessary for adjusting the monitor:

- Computer with Windows 95, Windows 98, Windows NT, Windows 2000, or Windows XP.
- MTI-2031 DDC MANAGER ЛG

### 3-2 Automatic Color Adjustment

To Analog video, In 16gray or any pattern using black and white and any mode.(16gray and XGA mode recommend)

- 1. Push the OSD Menu button to open the OSD
- 2. Selectl language English
- 3. Push enter button during 5 seconds.
- 4. See the screen flashing

#### 3-3 DDC EDID Data Input

- 1. Input DDC EDID data when replacing AD PCB.
- 2. Receive/Download the proper DDC file for the model from HQ quality control department. Install the below jig (Figure 1) and enter the data.

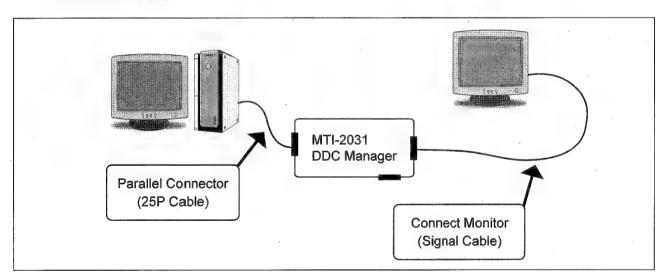


Figure 1.

### 3-4 Service Function Spec.

#### 3-4-1 How to Display Service Function OSD

- 1. After setting both brightness and contrast to '0' push the 'enter' button more than 5 seconds.
- 2. service function appear as below.

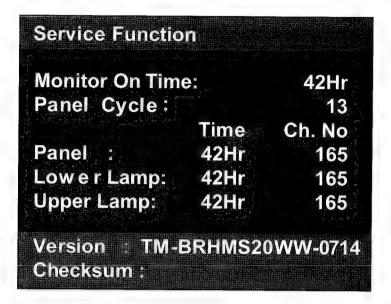


Figure 2.

#### 3-4-2 How to Control Service Function OSD

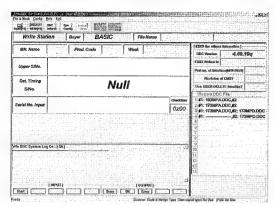
- 1. Monitor On Time: Power on time
- 2. Panel Cycle: Panel on/off time(Power off, mode change, DPMS on/off..)
- 3. Panel: Panel on time
  (Each time the panel is replaced press the menu key for 5 seconds to add to the Ch. No. indicating the number of time the panel has been changed.)
- 4. Upper lamp: Upper lamp on time
  (When the upper lamp is replaced press menu to add to the Ch. No. which shows the number of times the lamp has been replaced.)
- Lower lamp: lower lamp on time (When the upper lamp is replaced press menu to add to the Ch. No. which shows the number of times the lamp has been replaced.)
- 6. Auto auto: If Auto auto menu set to on, when the mode is changed for the first time, Auto adjust function is performed. Default is on
- 7. Pixel Shift: Not used
- 8. Country: OSD language can be changed with this menu to World wide, Korean, China, or Japanese.

You can navigate the menu with "+"key, and adjust with "menu key" pressing 5 seconds(Panel, Upper Lamp, and Lower Lamp memu). You can also control Auto auto, Pixel Shift, and country menu with pressing "-"key.

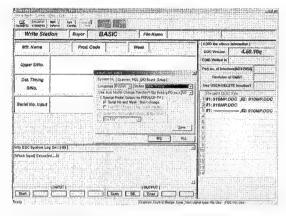
### 3-5 Hidden Key list

No	Function	Action method
1.	Hidden Service Function	After setting brightness and contrast '0' push the "Enter" button more than 5 seconds Service Function appear.
2.	Factory Reset	While Menu is opened(any menu), press "enter" key over 5 seconds.  Screen is flashing, then all menus return to the factory default.
3.	Auto calibration	To Analog video, In 16gray or any pattern using black and white and any mode.(16gray and XGA mode recommend) 1. Push the OSD Menu button to open the OSD. 2. Select language English. 3. Push enter button during 5 seconds. 4. Screen is flashed and auto calibration is completed.
4.	OSD lock	Press the menu key over 5 seconds, then OSD is locked To unlocked the OSD, press the memu key over 5 seconds.

### 3-6 EDID Installation with Windows Program



1. Execute "WinDDC.exe"



2. Click "Sys Config"

Select "Station: Write station"

Check "Serial No and Week: Don't change"

Click "Save"

Mr. Name SAM	f [EDIO the others I	ndomation §	
INTI. Name   SAM	Pros. Code DC00 Week	DDC Version	4.60.10q
	DE4700	EDID Withed to	EEPROM
Upper S/No.	DE17PS	Port no. of tenerity	pe (N471-2050) #
Dot. Timing	Hearle	Revision of Use USEA DELET	I got a distribution of
SAVo.	# Connected Port #1 173PPA.DDC	Recent DDC	C 100 100 100 100 100 100 100 100 100 10
	Connected Port #2	1 8 910MP.DD	C #2
erial No. Input	Ceanscred Post #1,2	2 # 910MP.DD	C #2: 910MP.C #2: 910MP.C
	"Higher (OV)"	6 6 7	
n ODC System Leg On : [Ok]	A A A A A A A A A A A A A A A A A A A	J 10	
osk input) Cancoled!!! vel System into: C:WWInDDCW	WInDO Click little.	12	
	000	421	

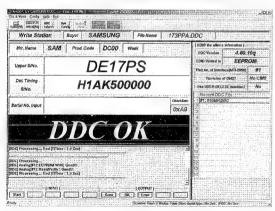
3. Click "Open" icon.

Select "Connected Port #1" and Next "OK".

\* File Name - 204BA1.DDC : Analog

204BD1.DDC: Analog

Press enter key on your keyboard.



4. Confirm the "DDC OK".

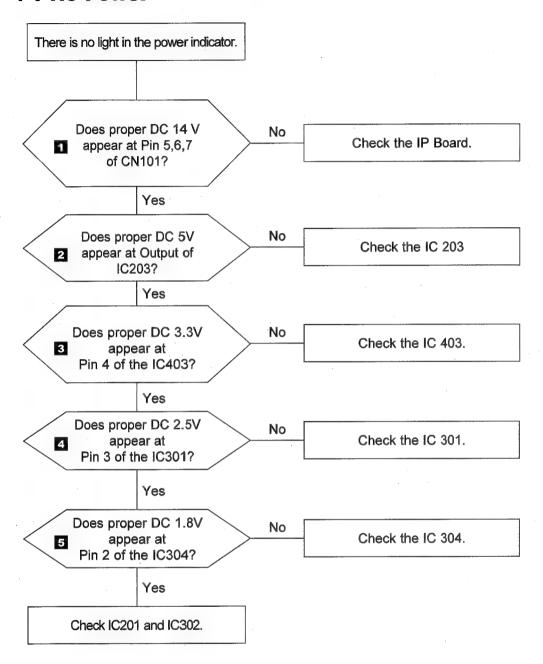
### 3-7 Execution Items after replacing the main board

#### After Replacing the Maing Board

- 1. Auto Calibration
- 2. EDID installation(Analog and Digital)
- 3. Factory Reset

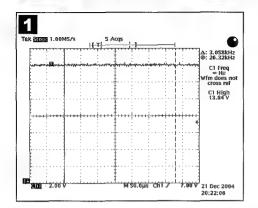
### 4 Troubleshooting

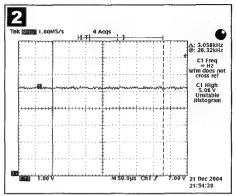
#### 4-1 No Power

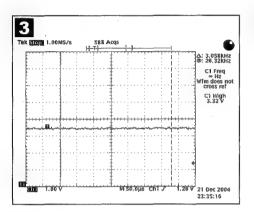


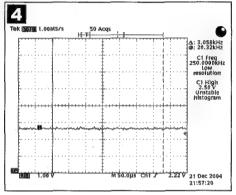
#### 4 Troubleshooting

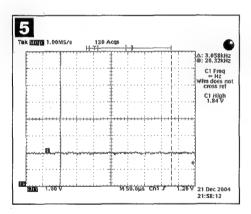
### **WAVEFORMS**



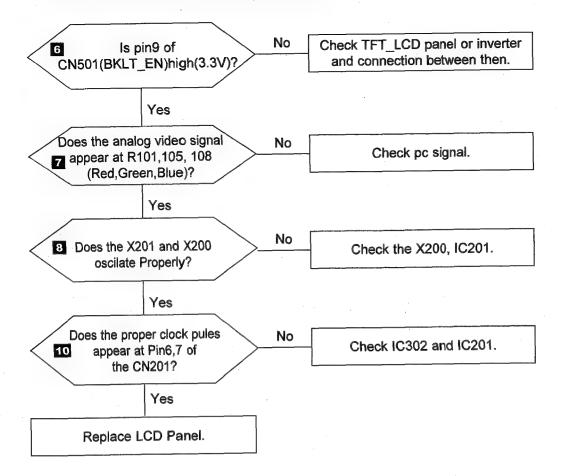






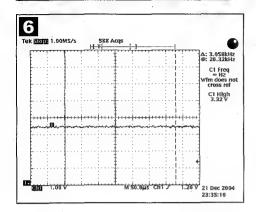


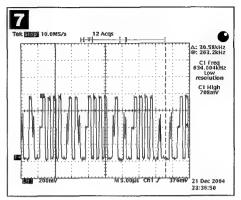
### 4-2 No Video (PC Analog Signal)

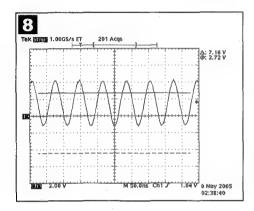


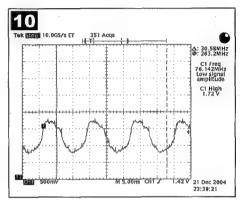
#### 4 Troubleshooting

### WAVEFORMS

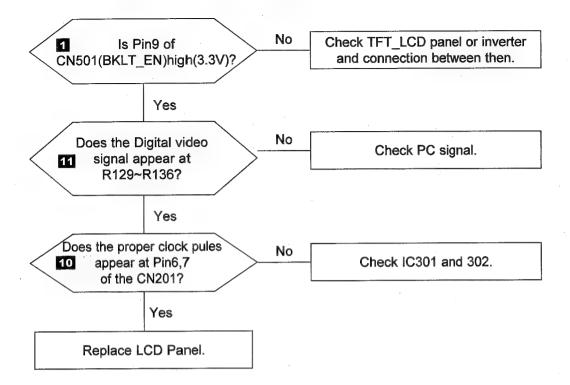






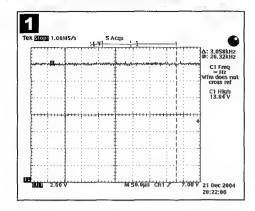


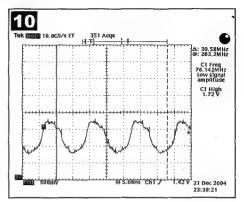
### 4-3 No Video (PC Digital Signal)

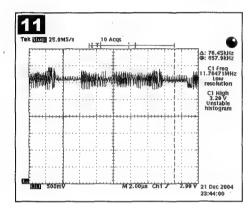


### 4 Troubleshooting

### **WAVEFORMS**

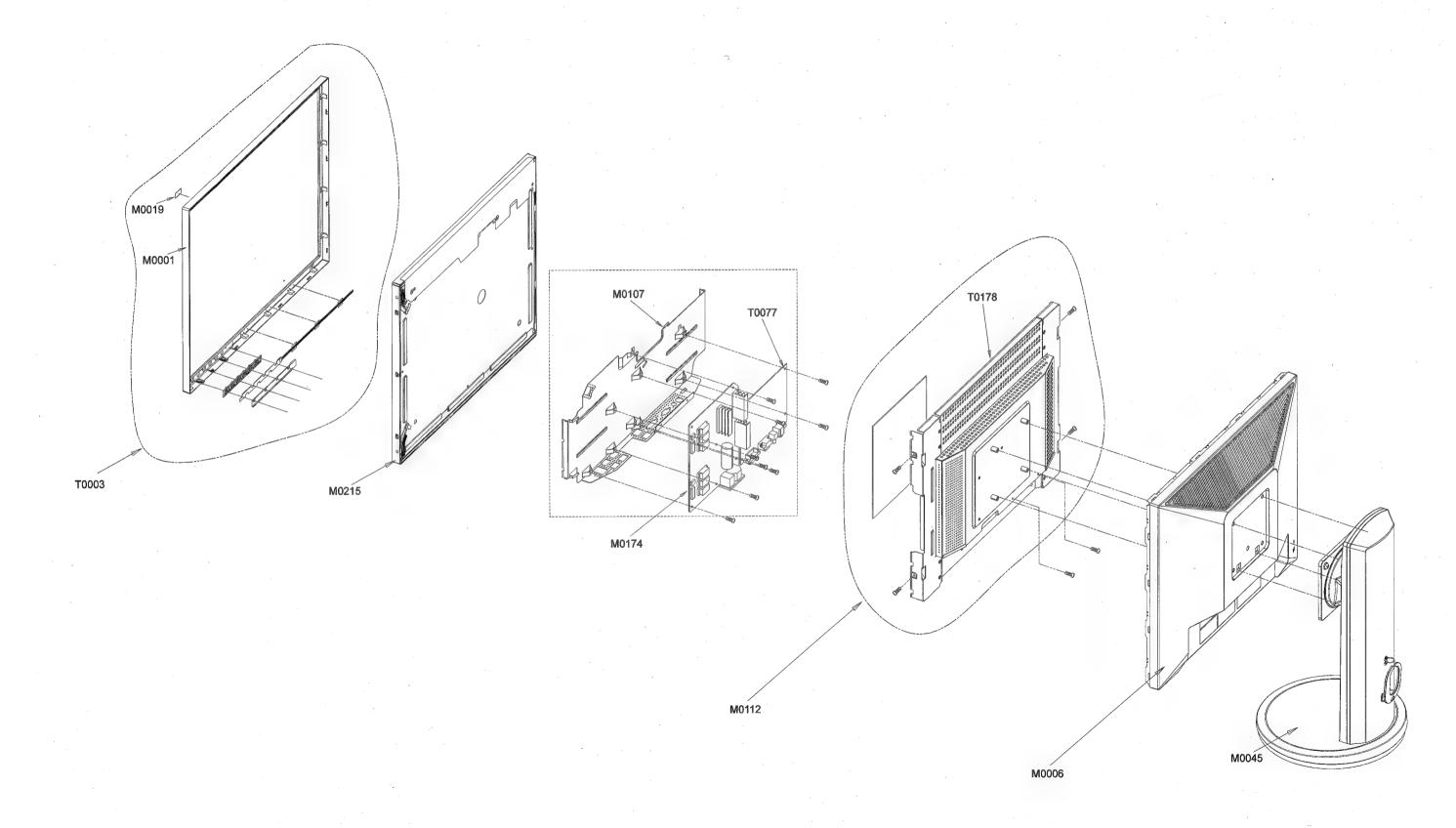






### 5 Exploded View and Parts List

-You can search for updated part codes through ITSELF web site.
URL: http://itself.sec.samsung.co.kr
5-1 LS20BRD Exploded View



### 5-2 LS20BRD Parts List

Location.No	CODE-NO	SPECIFICATION & DESCRIPTION	Q'TY	SA/SNA	REMARK
T0003	BN96-02834B	ASSY COVER P-FRONT;LS20BRD,ABS HB,GR70,S	1	SA	
M0019	BN92-01604A	ASSY LABEL;BR20CS*/ADC	1	SNA	
M0001	BN90-00817V	ASSY COVER FRONT;LS20BRDTS/XAA	1	SNA	
M0215	BN07-00249A	LCD-PANEL;LTM201UX-L01,Bramhs,6Bit FRC,4	1	SA	
M0107	BN61-01857A	BRACKET-PCB;BR20BS,SECC,T0.8	1	SNA	
T0077	BN41-00620E	PCB MAIN;204B,FR-4,4L,MP1.0,1.6T,156.5*8	1	SNA	
M0174	BN44-00127C	IP BOARD;IP-45130A,204B,3.0~5.0mA,6.6~8.	1	SA	
M0112	BN96-02173A	ASSY SHIELD P-PCB;BR20BS,SECC	1	SNA	
T0178	BN63-02015A	SHIELD-PCB;BR20BS,SECC,T0.8	1	SNA	
M0006	BN63-02259A	COVER-REAR;LS20BRB,HIPS,T2.2,HB,BK24	1	SA	
M0045	BN96-02791B	ASSY STAND P-SET;LS20BRD,HIPS HB,GR70 (\$	1	SA	

### **6 Electrical Parts List**

-You can search for updated part codes through ITSELF web site. URL: http://itself.sec.samsung.co.kr/

### 6-1 LS20BRD Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
		. LS20BRDTS/XAA	204B,UXD3/S20B0-LBR,20,LCD-MO,UNITED STA	0	SA
1 2	M0002 M0006	BN90-00781U BN63-02259A	ASSY COVER REAR;LS20BRDTS* COVER-REAR;LS20BRB,HIPS,T2.2,HB,BK24	1	SNA SA
1 2	M0001 T0003	BN90-00817V BN96-02834B	ASSY COVER FRONT;LS20BRDTS/XAA ASSY COVER P-FRONT;LS20BRD,ABS HB,GR70,S	1	SNA SA
1 2	M0216 M0045	BN90-00818L BN96-02791B	ASSY STAND;LS20BRDTS* ASSY STAND P-SET;LS20BRD,HIPS HB,GR70 (S	1 1	SNA SA
1 2	M0106 M0215	BN91-00939F BN07-00249A	ASSY LCD-STZ;BR20DS* LCD-PANEL;LTM201UX-L01,Bramhs,6Bit FRC,4	1	SNA SA
1 2 2 2 2 2 2 3	M0112 CCM1 M0081 M2893 M0112	BN91-00950X 6001-000352 6003-000115 BN39-00513A BN96-02173A BN63-01774A BN63-02015A	ASSY SHIELD;BR20DS* SCREW-MACHINE;FH,+,M3,L6,NI PLT,SWRCH18A SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC LEAD CONNECTOR;MJ17AS(BS),ULF51#30,UL/C ASSY SHIELD P-PCB;BR20BS,SECC SHIELD-INSULATOR;BI17/19BS,PET,T0.35 SHIELD-PCB;BR20BS,SECC,T0.8	1 4 2 1 1 1	SNA SNA SNA SA SNA SNA SNA
1 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	M0017 M0174 M0107 M0107 M0014 T0245 CN1002 CN101 CN501 M0081 M0081 IC201 HEAT T0174 CIS5 D102 D103 D104 D105 D106 D107 D108 D109 D110 D111 D112 D120 D121 D401 D402 ZD101 ZD103 ZD104 ZD103 ZD104 ZD105 ZD106 ZD501 Q101 ZD105 ZD106 ZD501 Q101 ZD106 ZD501 ZD106 ZD501 ZD106 ZD501 ZD106 ZD501 ZD106 ZD501 ZD106 ZD501 ZD107 ZD106 ZD501 ZD107 ZD106 ZD107 ZD106 ZD107 ZD107 ZD106 ZD107 ZD107 ZD106 ZD107 ZD107 ZD106 ZD107 ZD10	BN91-00965H BN44-00127C BN61-01857A BN94-00775D 0202-001366 3701-001173 3701-001219 3711-004712 6003-000115 6003-0001439 BN62-00003A BN97-00699D 0202-001375 0401-001056 0401-	ASSY CHASSIS-STZ,WW;BR20DS*,WW IP BOARD;IP-45130A,204B,3,0-5.0mA,6,6-8. BRACKET-PCB;BR20BS,SECC,T0.8 ASSY PCB MAIN-STZ,WW;BR20DS*,W/W SOLDER-WIRE FLUX;-RS60S,D12,63Sn/37Pb, CONNECTOR-DV;24P,3R,FEMALE,ANGLE,AUF CONNECTOR-DV;24P,3R,FEMALE,ANGLE,AUF HEADER-BOARD TO CABLE;BOX,9P,1R,2mm,STRA SCREW-TAPTITE;BH,+B,M3,L6,2PC(BLK),SWRC SCREW-TAPTITE;BH,+S,M4,L8,ZPC(FEL) HEAT SINK-IC;NK,SUN,A6063S,T2.5,W28,L28, ASSY SMD;BR20DS SOLDER-CREAM;RMA-20-21L,S63,-Sn63/Pb36. DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO DIODE-SWITCHING;MMBD414SSE,100V,200MA,SO DIODE-SWITCHING;MMB414SSE,100V,200MA,SO DIODE-SWITCHING;MMB414SSE,100V,200MA,SO DIODE-SWITCHING;MMB414SSE,100V	1 1 1 0.01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA A A A A A A A A A A A A A A A A A A

Level	Loc. No.	Code No.	Description & Specification Q'ty	SA/SNA
4	R137 R138	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608 1 R-CHIP;0ohm,5%,1/10W,TP,1608 1	SA SA
4	R151	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	SA
4	R171 R173	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608 1 1 R-CHIP;0ohm,5%,1/10W,TP,1608 1 1	SA SA
4	R175	2007-000070	R-CHIP;00hm,5%,1/10W,TP,1608	SA SA
4	R202 R231	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608 1 1 R-CHIP;0ohm,5%,1/10W,TP,1608 1	SA
4	R232 R233	2007-000070	R-CHIP-0ohm,5%,1/10W,TP,1608 1 R-CHIP-0ohm,5%,1/10W,TP,1608 1	SA SA
4	R234	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	SA
4	R235 R236	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608 1 R-CHIP;0ohm,5%,1/10W,TP,1608 1	SA SA
4	R309	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	SA
4	R318 R380	2007-000070 2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608 1 R-CHIP;0ohm,5%,1/10W,TP,1608 1	SA SA
4	R129	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	SA
4	R130 R131	2007-000071 2007-000071	R-CHIP;22ohm,5%,1/10W,TP;1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R132	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	SA
4	R133 R134	2007-000071 2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608 1 R-CHIP;22ohm,5%,1/10W,TP,1608 1	SA SA
4	R135	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	SA
4	R136 R217	2007-000071 2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R218	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608 1 R-CHIP:100ohm,5%,1/10W,TP,1608 1	SA SA
4	R100 R110	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R116 R149	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 R-CHIP;100ohm,5%,1/10W,TP,1608 1	SA SA
4	R150	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R208 R307	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 R-CHIP;100ohm,5%,1/10W,TP,1608 1	SA SA
4	R308	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R310 R311	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1	SA SA
4	R312	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R313 R314	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R343	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R344 R345	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R346	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R347 R350	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R351	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R352 R353	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R354	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R355 R356	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R358	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA SA
4	R359 R361	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA
4	R362 R363	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA SA
4	R364	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 R-CHIP;100ohm,5%,1/10W,TP,1608 1	SA
4	R365 R366	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 R-CHIP:100ohm,5%,1/10W,TP,1608 1	SA SA
4	R367	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	SA
4	R372 R373	2007-000074 2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R180	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	SA
4	R342 R120	2007-000077 2007-000078	R-CHIP;470ohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R139	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	SA
4	R215 R216	2007-000078 2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608 1  R-CHIP;1Kohm,5%,1/10W,TP,1608 1	SA SA
4	R500	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	SA
4	R501 R810	2007-000078 2007-000082	R-CHIP,1Kohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R811	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	SA
4	R317 R371	2007-000083 2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SA SA
4	R125	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP;1608	SA SA
4 4	R301 R302	2007-000084 2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1 R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1	SA
4	R303	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA SA
4	R304 R305	2007-000084 2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1 R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1	SA
4	R306 R319	2007-000084 2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608 R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA SA
4 4	R320	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4 4	R321 R322	2007-000084 2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608 R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA SA
	11022	2001-000004	י אין דיניוטן און אין אין אין אין אין אין אין אין אין אי	

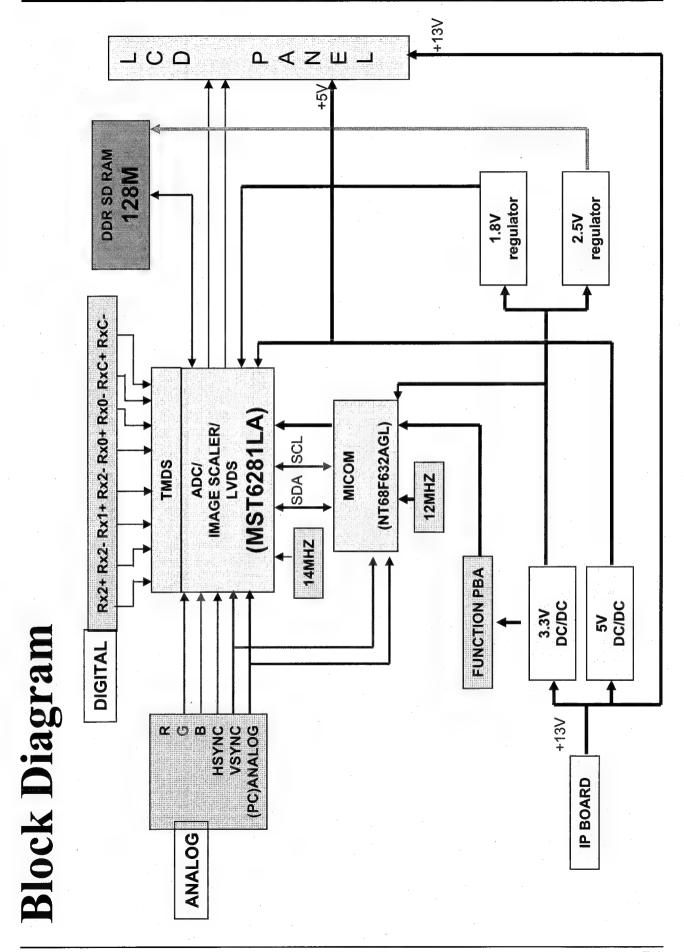
Level	Loc. No.	Code No.	Description & Specification Q'ty	SA/SNA
4	R323	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R326	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R327	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R328 R329	2007-000084 2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608 1 R-CHIP:4.7Kohm,5%,1/10W,TP,1608 1	SA SA
4	R330	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R333	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R334	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R335	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA SA
4	R336 R337	2007-000084 2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1 R-CHIP;4.7Kohm,5%,1/10W,TP,1608 1	SA SA
4	R338	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	SA
4	R339	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R340	2007-000084	R-CHIP;4:7Kohm,5%,1/10W,TP,1608	SA
4	R341	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R370	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R374 R390	2007-000084 2007-000084	R-CHIP.4.7Kohm,5%,1/10W,TP,1608 1 R-CHIP.4.7Kohm,5%,1/10W,TP,1608 1	SA SA
4	R471	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	SA
4	R106	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R153	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R156	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R160	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R206 R381	2007-000090 2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608 1 R-CHIP;10Kohm,5%,1/10W,TP,1608 1	SA SA
4	R382	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R383	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R384	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R475	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R476	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R478 R479	2007-000090 2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608 1 R-CHIP;10Kohm,5%,1/10W,TP,1608 1	SA SA
4	R479 R603	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R608	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R610	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R612	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	SA
4	R102	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	SA
4	R103 R477	2007-000092 2007-000102	R-CHIP;15Kohm,5%,1/10W,TP,1608 1 1 R-CHIP;100Kohm,5%,1/10W,TP,1608 1 1	SA SA
4	R477 R480	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	SA
4	R219	2007-000102	R-CHIP;33ohm,5%,1/10W,TP,1608	SA
4	R220	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	SA
4	R221	2007-000113	R-CHIP;330hm,5%,1/10W,TP,1608	SA
4.	R222	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	SA
4	R227 R228	2007-000113 2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608 1 1 R-CHIP;33ohm,5%,1/10W,TP,1608 1 1	SA SA
4	R229	2007-000113	R-CHIP;330hm,5%,1/10W,TP,1608	SA
4	R230	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	SA
4	R212	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	SA
4	R152	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	SA
4	R368	2007-000570	R-CHIP;2200HM,1%,1/10W,TP,1608	SA SA
4	R369 R605	2007-000570 2007-000616	R-CHIP;220OHM,1%,1/10W,TP,1608 1 R-CHIP;24Kohm,5%,1/10W,TP,1608 1	SA SA
4	R432	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	SA
4	R203	2007-000821	R-CHIP;390ohm,1%,1/10W,TP,1608	SA
4	R433	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	SA
4	R140	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	SA
4	R331	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	SA SA
4	R223 R224	2007-001134 2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608 1 1 R-CHIP;68ohm,5%,1/10W,TP,1608 1 1	SA
4	R225	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	SA
4	R226	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	SA
4	R121	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	SA
4	R122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	SA .
4	R123	2007-001164	R-CHIP;750hm,1%,1/10W,TP,1608	SA SA
4	R170 R172	2007-002899 2007-002899	R-CHIP;10ohm,1%,1/10W,TP,1608 1 R-CHIP:10ohm,1%,1/10W,TP,1608 1	SA SA
4	R172 R174	2007-002899	R-CHIP;100hm;1%;1/10W;1P;1608	SA
4	R431	2007-002099	R-CHIP;12Kohm,1%,1/10W,TP;1608	SA
4	R207	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	RA201	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	RA204	2011-000881	R-NET;330hm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA SA
4	RA205 RA209	2011-000881 2011-000881	R-NET;330hm,5%,1/16W,L,CHIP,8P,TP,3.2x1. 1 R-NET;330hm,5%,1/16W,L,CHIP,8P,TP,3.2x1. 1	SA SA
4	RA209 RA210	2011-000881	R-NET;330nm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	RA211	2011-000881	R-NET;330hm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	U2	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	U3	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	U4	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA
4	U5 C208	2011-000881	R-NET;330hm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	SA SA
4	C208 C209	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C209 C210	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C212	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C213	2203-000189	C-CER,CHIP,100nF,+80-20%,25V,Y5V,1608	SA
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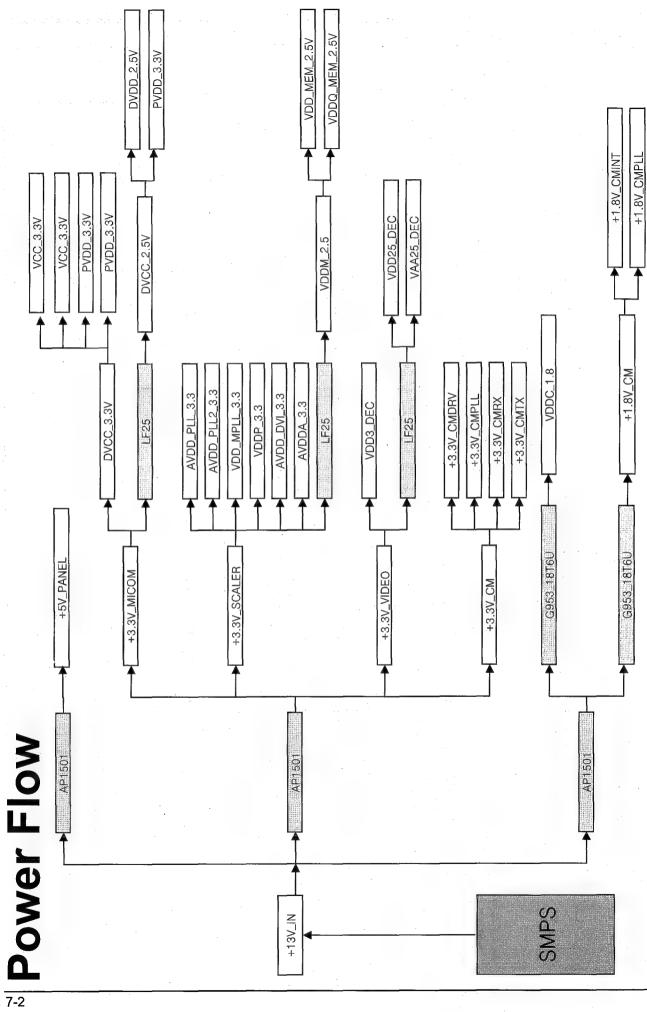
Level	Loc. No.	Code No.	Description & Specification Q'ty	SA/SNA
4	C214	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C215	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C216	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C220 C221	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C222	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,15V,1608	SA
4	C223	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C224	2203-000189	C-CER, CHIP;100nF, +80-20%, 25V, Y5V, 1608	SA
4	C226 C227	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP:100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C229	2203-000109	C-CER,CHIP;100nF,+80-20%,25V,75V,1608	SA
4	C230	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C231	2203-000189	C-CER, CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C307 C319	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA
4	C321	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C323	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C324 C326	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C327	2203-000109	C-CER,CHIP;100nF,+80-20%,25V,75V,1608	SA
4	C328	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C330	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C331 C332	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C334	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,15V,1608	SA
4	C335	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C339	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C340 C341	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C341	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,15V,1608	SA
4	C343	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C344	2203-000189	C-CER, CHIP;100nF, +80-20%, 25V, Y5V, 1608	SA
4	C345 C346	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C348	2203-000189	C-CER, CHIP;100nF,+80-20%,25V,75V,1608	SA
4	C351	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C352	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C353 C354	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1. C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1.	SA
4	C355	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,75V,1608	SA
4	C356	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C360	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C417 C424	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA SA
4	C433	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,1608	SA .
4	C438	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C502	2203-000189	C-CER, CHIP;100nF,+80-20%,25V,Y5V,1608	SA SA
4	C503 C802	2203-000189 2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1 C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608 1	SA
4	C803	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	SA
4	C109	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	SA
4	C439 C201	2203-000236 2203-000257	C-CER,CHIP;0.1nF,5%,50V,C0G,1608 1 C-CER,CHIP;10nF,10%,50V,X7R,1608 1	SA SA
4	C201	2203-000257	C-CER, CHIP;10In;10IN;30V;X7R;1608	SA
4	C203	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C204	2203-000257	C-CER, CHIP;10nF,10%,50V,X7R,1608	SA SA
4	C205 C206	2203-000257 2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608 1 C-CER,CHIP;10nF,10%,50V,X7R,1608 1	SA SA
4	C207	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C232	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C233	2203-000257	C-CER, CHIP: 10nF, 10%, 50V, X7R, 1608	SA SA
4	C234 C235	2203-000257 2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608 1 C-CER,CHIP;10nF,10%,50V,X7R,1608 1	SA SA
4	C236	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C416	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C431	2203-000257	C-CER, CHIP; 10nF, 10%, 50V, X7R, 1608	SA SA
4	C432 C435	2203-000257 2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608 1 C-CER,CHIP;10nF,10%,50V,X7R,1608 1	SA
4	C800	2203-000257	C-CER, CHIP;10nF,10%,50V,X7R,1608	SA
4	C801	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	SA
4	C302 C303	2203-000426 2203-000426	C-CER,CHIP;0.018nF,5%,50V,C0G,1608 1 C-CER,CHIP;0.018nF,5%,50V,C0G,1608 1	SA SA
4	C111	2203-000426	C-CER, CHIP, 10F, 10%, 50V, X7R, 1608	SA
4	C217	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	SA
4	C218	2203-000626	C-CER, CHIP; 0.022nF, 5%, 50V, C0G, 1608	SA SA
4	C113 C101	2203-000815 2203-000975	C-CER,CHIP;0.033nF,5%,50V,C0G,1608 C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	SA SA
4	C105	2203-000975	C-CER,CHIP,47nF,10%,25V,X7R,TP,1608,-	SA
4	C106	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	SA
4	C107	2203-000975	C-CER, CHIP;47nF,10%,25V,X7R,TP,1608,-	SA
4	C108 C110	2203-000975 2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,- C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	SA SA
4	C430	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	SA
4	C120	2203-005015	C-CER, CHIP,150nF,+80-20%,16V,Y5V,1608	SA
4	C121	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,1608	SA
L	1		<u> </u>	

2         T0376         6902-000379         BAG AIR;LDPE,T0.2,W1000,L1800,TRP,         0.00           2         P/M         6902-000604         BAG WRAPPING;LDPE,T0.02,W2500,L10000,TRP,         1.93           2         M0081         6902-000609         BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,         0.05           2         T0524         6902-000520         BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         1           1         M0019         BN92-01604A         ASSY LABEL;BR20CS*/ADC         1           1         M0003         BN92-01616J         ASSY BOX;LS20BRDTS/XAA         1           2         T0129         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1           .3         M0103         BN72-60001A         LEVER-TOP;LSD210TL,PE-LD,WHITE,TET_LCD         1           .3         M0102         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02	y SA/SNA	Q'ty .		Description & Specification	Code No.	Loc. No.	Level
Company	SA SA	1					
-4 C125	SA SA	1					
- 4 C128	SA	1					
	SA	1					4
CCER CHIP1500F-18-029%, 10/19/1608 1	SA	1					
	SA SA	1					
	SA	1					
	SA	1					
	SA SA	1					
4 C14 223-056965	SA	1					
	SA	i					
	SA	1					
	SA SA	1	•				
	SA	1					
	SA	1				C322	
	SA	1.					
	SA SA	1 1					
	SA	l i					
	SA	1		C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	2203-005437	C350	4
	SA	1 1					4
CAL SMD; 1001; 20%, 16V, VTT; P; 8; 3X5, TMM	SA SA	1					
CAL, SMD; 1000; 20%; 169; WT, TP, B, 3X6, TMM	SA	1					
4 C349 2402-001128 C-AL_SMD:100UF 20%, 16V WTT: P8:3X5,TMM C423 2402-001128 C-AL_SMD:100UF 20%, 16V WTT: P8:3X5,TMM 1 C423 2402-001128 C-AL_SMD:100UF 20%, 16V WTT: P8:3X5,TMM 1 C4237 2402-001149 C-ORGANIC;4TUF.20%, 6.3V FX,TP;5X5,9MM, 1 C4239,6.001049 C-ORGANIC;4TUF.20%, 6.3V FX,TP;5X5,9MM, 1 C4239,6.001049 C-ORGANIC;4TUF.20%, 6.3V FX,TP;5X5,9MM, 1 C4239,6.001778 INDUCTOR-SMD:33uH.20%, 3225 INDUCTOR-SMD:33u	SA	1		C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM	2402-001128	C337	4
C419   2402-001128   C-AL_SMD;100UF 20%, 16V/MTTP 8;3X5,7MM	SA	1 1					
	SA SA	1					
	ŠĀ	i					
4 C250	SA	1		C-AL,SMD;100UF,20%,16V,WT,TP,6.3X5.7MM		C437	4
1	SA	1					
4 T0052 2703-001778 INDUCTOR-SMD;3.3uH,20%,3225 14 X201 2801-003667 CRYSTAL-SMD;13.9HH,20%,3225 14 T0568 3301-001793 EAD-SMD;16.900,TP,700-HM/45MH2, 14 T0568 3301-001793 BEAD-SMD;16.900,TP,700-HM/45MH2 14 T0568 3301-001793 BEAD-SMD;16.90m,1608,-TP,11.80hm/37.6MH2 14 T0568 3301-001793 BEAD-SMD;16.90m,1608,-TP,11.80hm/37.6MH2 14 CN201 3711-00543 BEAD-SMD;18.0hm,1608,-TP,11.80hm/37.6MH2 14 CN201 3711-00543 BEAD-SMD;18.0hm,1608,-TP,11.80hm/37.6MH2 14 CN502 3711-005543 HEADER-BOARD TO CABLE;BOX,6P,1R,1.25mm, 14 L401 BN27-00002A COIL-CHOKE(SMD);470H,470H,20%,12*12*8mm, 14 T0010 BN27-00009A COIL-CHOKE(SMD);470H,470H,20%,12*12*8mm, 14 MICOM BN37-00700C ASSY MICOM-STZ,WI-WESDOS-3WH,11-58-58-105 IC520 0903-001402 IC-MICROCONTROLLER:NT68F632ALG,8Bit,PLCC 14 T0017 BN41-00820E POB BN41-00820E 15 IC520 0903-001402 BAG AIR:LDPE,T0.2,W1000,L1800,TRP, 0.005 INDUCTOR-SMD;3.3uH,20%,32255 14 M0011 BN92-01604A ASSY PLABEL;BOX,000 MR00,TRP, 0.005 INDUCTOR-SMD;3.3uH,20%,32255 INDUCTOR-SMD;3.3uH,20%,32255 INDUCTOR-SMD;3.3uH,20%,32251 INDUCTOR-SMD;3.3uH,	SA SA	1					
T0052	SA	i					
4 T0052 2703-001778 INDUCTOR-SMD;3.3uH,20%,32254 X201 2801-003667 CRYSTAL-SMD;3.3uH,20%,32254 X200 2801-003773 CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16, 14 T0568 3301-001145 BEAD-SMD;0001Hz,1608,TP,118.0hm/37.6MHz 14 T0568 3301-001793 BEAD-SMD;000HM,4516;000,TP,700-HM4SMHZ, 14 T0568 3301-001793 BEAD-SMD;180hm,1608,TP,118.0hm/37.6MHz 14 T0568 3301-001793 BEAD-SMD;180hm,1608,TP,118.0hm/37.6MHz 14 T0568 3301-001793 BEAD-SMD;180hm,1608,TP,118.0hm/37.6MHz 14 CN201 3711-005470 HEADER-BOARD TO CABLE;BOX,30P,18,1.25mm, 14 CN502 3711-00543 HEADER-BOARD TO CABLE;BOX,30P,18,1.25mm, 14 CN502 3711-005470 HEADER-BOARD TO CABLE;BOX,30P,18,1.25mm, 14 L401 BN27-00002A CDIL-CHOKE;SMD;12X12X6,EOS,33UH,16%,-0. 14 T0010 BN27-00003A CDIL-CHOKE;SMD;12X12X6,EOS,33UH,16%,-0. 14 MICOM BN97-00700C ASSY MICOM-STZ,WW;BR20DS*,WW 15 ICS20 9903-001402 IC-MICROCONTROLLER;NT68F632ALG,8Bit,PLCC 14 T0077 BN41-00620E PCB MAIN;204B,FR-4,4L,MP1.0,1.6T,166.5*8 14 M0113 BN92-01643Y ASSY P/MATERIAL;LS20BRDTS/EDC 15 M0081 6902-000061 BAG AIR;LDPE,T0.2,L1000,W500,TRP,, 0.005 M0081 6902-000069 BAG AIR;LDPE,T0.2,L1000,W500,TRP,, 0.005 M0081 6902-000520 BAG AIR;LDPE,T0.2,W1000,U1800,TRP,, 0.005 M0003 BN92-01604A ASSY LABEL;BR20CS*/ADC 14 M0003 BN92-01604A ASSY LABEL;BR20CS*/ADC 15 M0003 BN92-01604A ASSY LABEL;	SA	1					4
4 T0052 2703-001778 INDUCTOR-SMD;3.3uH,20%,3225	SA SA	1					
4 X201 2801-003667 CRYSTAL-SMD;14,31816MHz,30ppm,28-AAN,16, 14 T0568 301-001745 BEAD-SMD;1600,TP,70O+MM45MHz, 14 T0568 3301-001793 BEAD-SMD;1800HM,4516,6000,TP,70O+MM45MHz, 14 T0568 3301-001793 BEAD-SMD;1800Hm,1608,TP,11.80hm/37.6MHz 14 T0568 3301-001793 BEAD-SMD;1800hm,1608,TP,11.80hm/37.6MHz 14 T0568 3301-001793 BEAD-SMD;180hm,1608,TP,11.80hm/37.6MHz 14 CN201 3711-005470 HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm, 14 CN502 3711-005643 HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm, 14 CN502 3711-005643 HEADER-BOARD TO CABLE;BOX,6P,1R,1.25mm, 14 T0010 BN27-00009A COIL-CHOKE;GMD;47UH,47UH,20%,6P,1R,1.25mm, 14 T0010 BN27-00009A COIL-CHOKE;GMD;47UH,47UH,20%,6P,1R,1.25mm, 14 MICOM BN37-00700C ASSW MICOM-STZ,WW,BR20DS*WW 14 MICOM BN37-00700C ASSW MICOM-STZ,WW,BR20DS*WW 15 IC520 0903-001402 IC-MICROCONTROLLER;NT68F632ALG,8Bit;PLCC PCB MAIN;204B,FR-4,4L,MP1.0,1.6T,156.5*8 1  1 M0113 BN92-01543Y ASSY P/MATERIAL;LS20BRDTS/EDC 1 2 T0376 6902-000061 BAG AIR;LDPE;T0.2,W1000,L1800,TRP,— 0.000 2 T0376 6902-000060 BAG AIR;LDPE;T0.2,W1000,L1800,TRP,— 0.000 2 P/M 6902-000609 BAG AIR;LDPE;T0.0,W500,TRP,— 0.000 2 M0081 6902-000609 BAG RIC,LDPE;T0.0,W500,TRP,— 0.000 3 BN92-01664J ASSY BAG WRAPPING;LDPE;T0.0,W500,TRP,— 0.000 1 M0019 BN92-01604A ASSY LABEL;BR20CS*/ADC 1 1 M0019 BN92-01604B BAG WRAPPING;LDPE;T0.10,W100,L1800,TRP,— 0.000 3 BN72-60001A LEVER-T0P;LDPE;T0.10,W100,L1800,TRP,— 0.000 3 BN72-60001A LEVER-T0P;LDPE;T0.10,W100,L1800,TRP,— 0.000 3 BN72-60001A BN72-60001C LEVER-BOTTOM;SM170MP,PE-LD,PE-HD 1 1 LEVER-T0P;LDPE;T0.10,W100,L1800,TRP,— 0.000 3 BN72-60001A LEVER-T0P;LDPE;T0.10,W100,L1800,TRP,— 0.000	SA	1					
4   T0568   3301-001793   BEAD-SMD;60OHM,4516,600,TP,70OHM/45MHZ   1	SA	i					
4   T0568   3301-001793   BEAD-SMD;18ohm;1608, TP,11.8ohm/37.6MHz   1	SA	1					
1	SNA SA	1					
1	SA	. 1					
CN502   3711-005643   HEADER-BOARD TO CABLE;BOX,6P,1R,125mm,S   1	SA	1		BEAD-SMD;18ohm,1608,-,TP,11.8ohm/37.6MHz			
4 L401 BN27-00002A COIL-CHOKE(SMD);47uH,47uH,20%,12*12*8mm,    4 T0010 BN27-00009A COIL-CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.    4 S301 BN32-00005A SENSOR SW-TILT;SPSF100100,DC5V,1mA,-10 ~    4 MICOM BN97-00700C ASSY MICOM-STZ,WW,BR20DS*,WW 1    5 IC520 0903-001402 IC-MICROCONTROLLER;NT68F632ALG,8Bit,PLCC PCB MAIN;204B,FR-4,4L,MP1.0,1.6T,156.5*8 1  1 M0113 BN92-01543Y ASSY P/MATERIAL;LS20BRDTS/EDC 1     70376 6902-000061 BAG AIR;LDPE,T0.2,L1000,W500,TRP,, 0.00     2 T0376 6902-000379 BAG AIR;LDPE,T0.2,W1000,L1800,TRP,- 0.00     2 P/M 6902-000604 BAG WRAPPING;LDPE,T0.02,W500,L1000,TRP, 1.93     M0081 6902-000609 BAG ROLL;LDPE,T0.02,W500,L1000,TRP, 0.05     2 T0524 6902-000520 BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D 1  1 M0019 BN92-01604A ASSY LABEL;BR20CS*/ADC 1  1 M0003 BN92-01616J ASSY BOX;LS20BRDTS/XAA 1     70129 BH75-10529C UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD 1    3 M0102 BN72-60002C BOX BN69-01221A BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539* 1.02	SA	1 .		HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm,			
4 T0010 BN27-0009A BN32-0006A BN32-0006A BN32-0006A SENSOR SW-TILT; SPSF100100, DC5V, 1mA, -10 ~ 1	SA SA	1					
4 S301 BN32-00005A BN97-00700C ASSY MICOM-STZ, WW.BR2005* WWW 15 IC520 0903-001402 IC-MICROCONTROLLER; NT68F632ALG, 8Bit, PLCC PC BN41-00620E PCB MAIN; 204B, FR-4,4L,MP1.0,1.6T, 156.5*8 1  1 M0113 BN92-01543Y ASSY P/MATERIAL; LS20BRDTS/EDC 1 2 T0376 6902-000061 BAG AIR; LDPE, T0.2, L1000, W500, TRP,, 90.00   2 P/M 6902-000379 BAG AIR; LDPE, T0.2, L1000, W500, TRP, 90.00   2 P/M 6902-000604 BAG WRAPPING; LDPE, T0.02, W500, L10000, TRP, 90.00   2 P/M 6902-000609 BAG ROLL; LDPE, T0.05, W2400, L1000, TRP, 90.00   2 T0524 6902-000520 BAG PE; HDPE/NITRON(DOUBLE), T0.015/T0.5(D   1 M0019 BN92-01604A ASSY LABEL; BR20CS*/ADC   1 M0003 BN92-01616J ASSY BOX; LS20BRDTS/XAA UNIT-HANDLE/PACKING; S/M170MP, PE-LD, PE-HD   1.3 M0103 BN72-60001A LEVER-TOP; LSD210TL, PE-LD, WHITE, TFT LCD   1.3 M0102 BN72-60002C BN72-60002C LEVER-BOTTOM; S/M170MP, PE-HD, BLUE   1 BOX BN69-01221A BOX-MONITOR; LS204BRD, SY-01, YEL, A-1, L539*   1.02	SA	. 1					
IC-MICROCONTROLLER;NT68F632ALG,8Bit,PLCC   1	SA	1		SENSOR SW-TILT;SPSF100100,DC5V,1mA,-10 ~	BN32-00005A	S301	
T0077	SA	1 1					
1         M0113         BN92-01543Y         ASSY P/MATERIAL;LS20BRDTS/EDC         1           2         T0376         6902-000061         BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,         0.00           2         T0376         6902-000379         BAG AIR;LDPE,T0.2,W1000,L1800,TRP,,-         0.00           2         P/M         6902-000604         BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,         1.93           2         M0081         6902-000609         BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,         0.05           2         T0524         6902-000520         BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         1           1         M0019         BN92-01604A         ASSY LABEL;BR20CS*/ADC         1           1         M0003         BN92-01616J         ASSY BOX;LS20BRDTS/XAA         1           2         T0129         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1           .3         M0103         BN72-60001A         LEVER-T0P;LSD210TL,PE-LD,WHITE,TFT_LCD         1           .3         M0102         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02	SNA SNA	1					
2         T0376         6902-000061         BAG AIR;LDPE,T0.2,L1000,W500,TRP.,,         0.00           2         T0376         6902-000379         BAG AIR;LDPE,T0.2,W1000,L1800,TRP.,-         0.00           2         P/M         6902-000604         BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,         1.93           2         M0081         6902-000609         BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,-         0.05           2         T0524         6902-000520         BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         1           1         M0019         BN92-01604A         ASSY LABEL;BR20CS*/ADC         1           1         M0003         BN92-01616J         ASSY BOX;LS20BRDTS/XAA         1           2         T0129         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1           .3         M0103         BN72-60001A         LEVER-T0P;LSD210TL,PE-LD,WHITE,TET_LCD         1           .3         M0102         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02	ONA	1		TO UTTER THE PROPERTY OF THE P		10077	7
2         T0376 6902-000379 M0081         6902-000604 6902-000604 6902-000609 BAG ROLL;LDPE,T0.05,W2400,L1000,TRP, BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         0.00 1.93 0.05 1.93 0.05           1         M0019 M0003 M0003 M0103 M0103 M0103 M0102	SNA						
2         P/M M0081         6902-000604 6902-000609         BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP, BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,		0.007					2
2         M0081 T0524         6902-000609 6902-000520         BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,-,- BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         0.05           1         M0019         BN92-01604A         ASSY LABEL;BR20CS*/ADC         1           1         M0003 2         BN92-01616J BH75-10529C         ASSY BOX;LS20BRDTS/XAA         1           2         T0129 3         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1          3         M0103 600012         BN72-60001A BN72-60002C         LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD         1          3         M0102 600012         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02							2 2
2         T0524         6902-000520         BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D         1           1         M0019         BN92-01604A         ASSY LABEL;BR20CS*/ADC         1           1         M0003         BN92-01616J         ASSY BOX;LS20BRDTS/XAA         1           2         T0129         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1          3         M0103         BN72-60001A         LEVER-TOP;LSD210TL,PE-LD,WHITE,TET_LCD         1          3         M0102         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02		0.055					2
1       M0003       BN92-01616J       ASSY BOX;LS20BRDTS/XAA       1         2       T0129       BH75-10529C       UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD       1        3       M0103       BN72-60001A       LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD       1        3       M0102       BN72-60002C       LEVER-BOTTOM;S/M170MP,PE-HD,BLUE       1         2       BOX       BN69-01221A       BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*       1.02	SNA	1					2
1       M0003       BN92-01616J       ASSY BOX;LS20BRDTS/XAA       1         2       T0129       BH75-10529C       UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD       1        3       M0103       BN72-60001A       LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD       1        3       M0102       BN72-60002C       LEVER-BOTTOM;S/M170MP,PE-HD,BLUE       1         2       BOX       BN69-01221A       BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*       1.02	CNIA	4		ASSVI AREL RRYNOS*IADO	BN02-04604A	M0010	1,
2         T0129         BH75-10529C         UNIT-HANDLE/PACKING;S/M170MP,PE-LD,PE-HD         1          3         M0103         BN72-60001A         LEVER-TOP;LSD210TL,PE-LD,WHITE,TET_LCD         1          3         M0102         BN72-60002C         LEVER-BOTTOM;S/M170MP,PE-HD,BLUE         1           2         BOX         BN69-01221A         BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539*         1.02	SNA	1		AGG LABEL, DRZUGG TADU	DN82-01004A	MINOLIA	į.
3 M0103 BN72-60001A LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD 13 M0102 BN72-60002C LEVER-BOTTOM;S/M170MP,PE-HD,BLUE 1 2 BOX BN69-01221A BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539* 1.02	SNA	1					
3 M0102 BN72-60002C LEVER-BOTTOM;S/M170MP,PE-HD,BLUE 1 BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539* 1.02	SA	•					2
2 BOX BN69-01221A BOX-MONITOR;LS204BRD,SY-01,YEL,A-1,L539* 1.02	SNA	•					3
	SNA SNA	•					2
1 M0045 RN92-01617S ASSV ACCESSORV I SORRDITS/YAA		****				*	
A MONTH DISCOVERY DISCOVER	SNA	1		ASSY ACCESSORY;LS20BRDTS/XAA	BN92-01617S	M0045	1
2         M0114         BN39-00244B         CBF SIGNAL;M015PS,15P/15P,20276-N,1830MM         1           2         M0045         BN96-02846K         ASSY ACCESSORY;LS20BRDTS/XAA         1	SA SNA	1					2 2
2 MIUU45 BN90-UZ046N ASST ACCESSORT; LSZUBRD 15/AAA  1.3 T0268 3903-000085 CBF-POWER CORD, DT, US, BP3/YES, I/(IEC C13/C 1	SNA	. 1					3
.3 T0524 6902-000110 BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	SNA	4		BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	6902-000110	T0524	3
3   T0268   3903-000085   CBF-POWER CORD;DT,US,BP3/YES,I(IEC C13/C   1   1   1   1   1   1   1   1   1	SNA	1					3
3   ACCESSORY   BH68-00261F   CARD WARRANTY-03;SyncMaster14-1,ADC,MOJO   1	SNA SNA	1	,				3
3 ACCESSORY BN68-00832C MANUAL-REGISTRATION CARD;SECA all,SAMSUN 1	SNA	i					3
3 ACCESSORY BN68-00832D MANUAL-REGISTRATION CARD;SECA all,SAMSUN 1	SNA	1		MANUAL-REGISTRATION CARD, SECA all, SAMSUN	BN68-00832D	ACCESSORY	3
.3 M0215 BN96-02318H ASSY MANUAL P-IB+QSG;LS20BRD,204B,SyncMa 1	SNA	1	•				3
4   M0808   BH68-00376L   MANUAL-04;LCDQUICK SETUP GUIDE,SYNCMASTE   1  4   IB   BN59-00480H   S/W DRIVER-00,IB;LS20BRD,204B,W/W,SyncMa   1	SNA SNA	1					
OTT DITTELL VOLID LOCUDIU LEUTU, TUTTI OTILUTA	OIVA	1		S State a voji specevoji aspevanji in i spoji koji d	DITOU OUTOUIT	15	···· T

### Memo

### 7 Block Diagram





### 8 Wiring Diagram

	2	က	4	5	9	7	8	6	-	7	က	4	5	9	7	<b>&amp;</b>	<b>ග</b> ු	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
BL_PWM	GND	GND	GND	13V	13V	13V	BL_ANALOG	BL_EN	5V	5V	5V	TA0-	TA0+	TA1-	TA1+	TA2-	TA2+	GND	TAC-	TAC+	TA3-	TA3+	TXB0-	TXB0+	GND	TXB1-	TXB1+	GND	TXB2-	TXB2+	GND	TXBC-	TXBC+	GND	TXB3-	TXB3+	GND	NC	

CN501

Connected to the I/P board

CN201
Connected to the Panel through the LVDS cable

NC	1
RXD	2
TXD	3
NC	4
GND	5
GND	6
GND	7
GND	8

CN301

For test(not used)

MAIN BOARD

### CN102 For DVI signal

NC	20	CHK_DVI	Λ9	RC0-	RX0+	GND	NC	NC	GND	RXC+	RXC-
13	14	15	16	17	18	19	20	21	22	23	24
RX2-	RX2+	GND	NC	NC	SCL	SDA	NC	RX1-	RX1+	GND	NC
1	2	3	4	5	9	7	80	6	10	11	12

For Analog signal CN101

1   F	5 (	3	4 (	5 (	) 9	)	8	6	10 (	11 (	12	13	14	15	
RED	GREEN	BLUE	GND	GND	GND	GND	GND	5V	GND	GND	SDA	HSYNC	VSYNC	SCA	

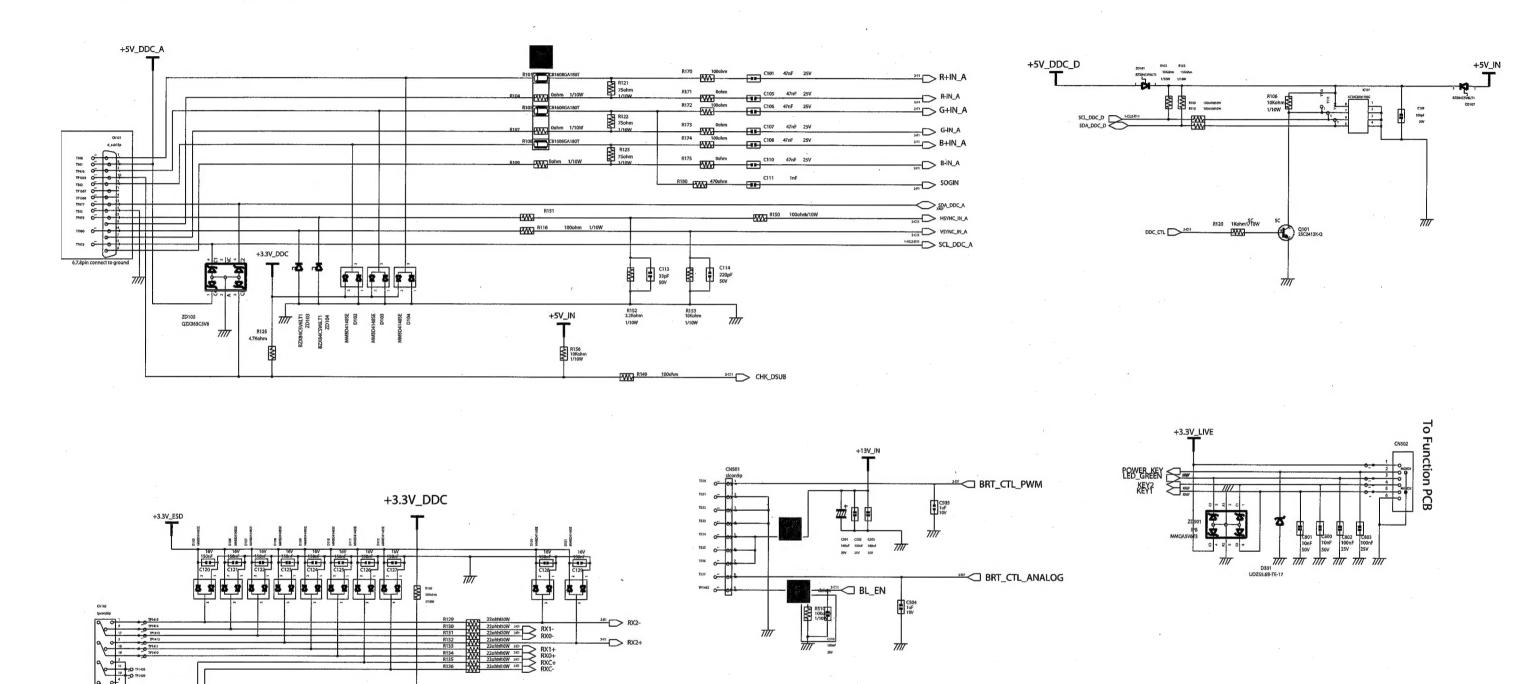
For function key CN502

GND	3.3V	Power_Key	LED_Green	Key2	Key1	GNĐ	
<b>-</b>	2	3	4	2	9	7	

### 9 Schematic Diagrams

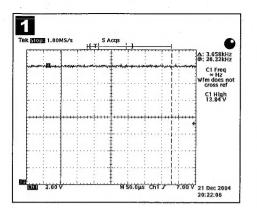
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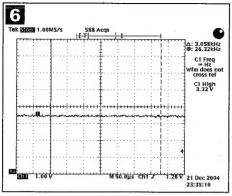
### 9-1 Schematic Diagrams

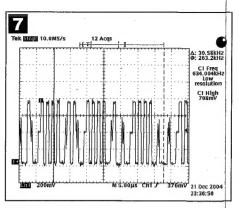


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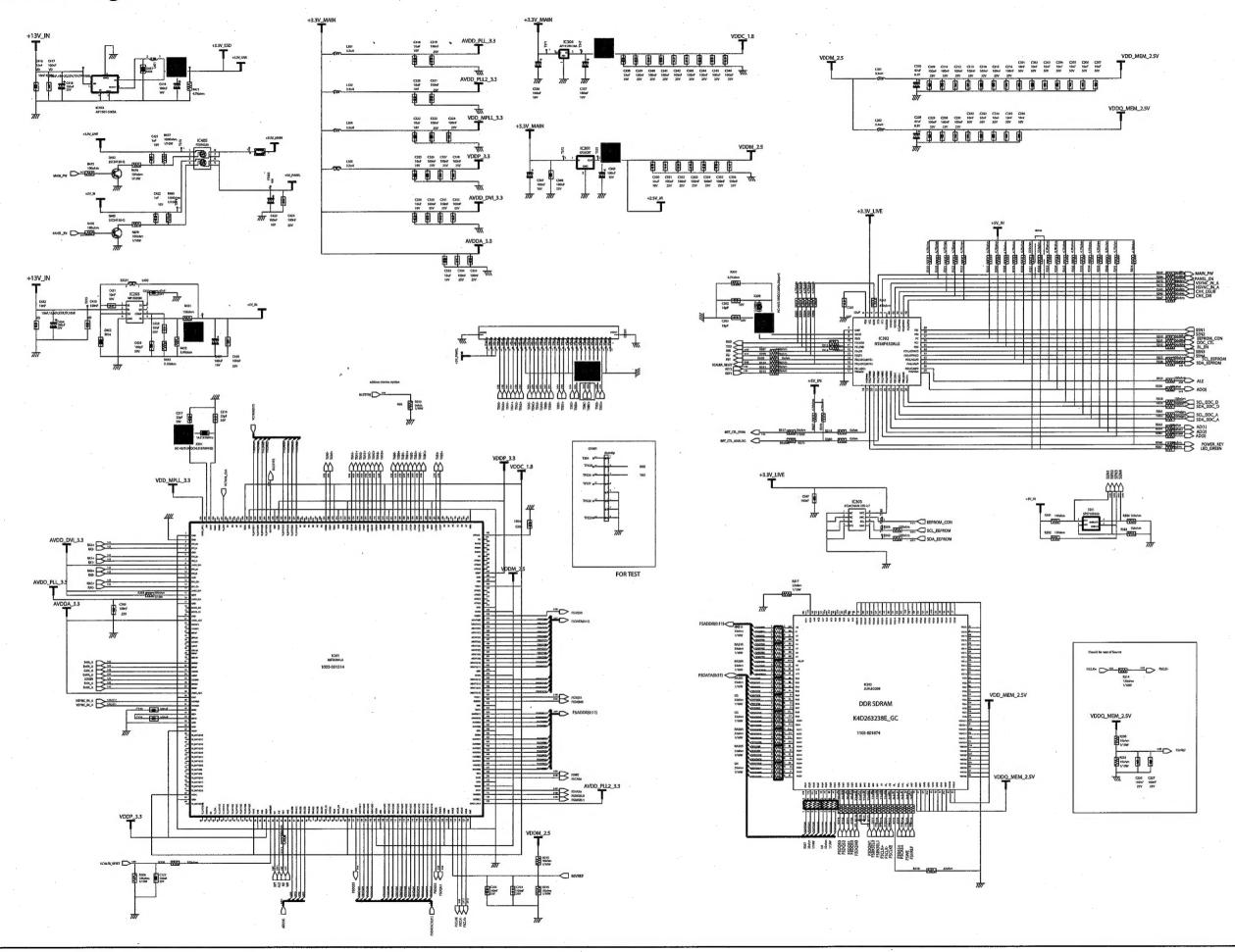
### 9 Schematic Diagrams







### 9-2 Schematic Diagrams



### 9 Schematic Diagrams

